

	Application No.	Applicant(s)
Notice of Allowability	10/726,476	NELLES ET AL.
	Examiner	Art Unit
	Alan Diamond	1753
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOT (of the Office or upon petition by the applicant. See 37 CFR 1.313 1. This communication is responsive to the terminal disclaime	(OR REMAINS) CLOSED in this ap or other appropriate communication GHTS. This application is subject t and MPEP 1308.	plication. If not included not will be mailed in due course. THIS
2. X The allowed claim(s) is/are 3,4,7,10-13,15-17,31 and 63.		
 3. Acknowledgment is made of a claim for foreign priority una) a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents 	been received. been received in Application No. $\underline{0}$	
International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	anena nave seen receives in this	mational stage application from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONMI THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be subminification (PTO-152) which give		
5. CORRECTED DRAWINGS (as "replacement sheets") must	t be submitted.	
(a) including changes required by the Notice of Draftsperso		948) attached
1) hereto or 2) to Paper No./Mail Date		
(b) including changes required by the attached Examiner's Paper No./Mail Date	Amendment / Comment or in the C	Office action of
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in th		
 DEPOSIT OF and/or INFORMATION about the deposent attached Examiner's comment regarding REQUIREMENT F 		
Attachment(s) 1. ⊠ Notice of References Cited (PTO-892)	E Notice of Informal F	Potent Application (DTO 452)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary	Patent Application (PTO-152)
_ , , ,	Paper No./Mail Da	te
 Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 	8), 7. Examiner's Amendr	ment/Comment
4. Examiner's Comment Regarding Requirement for Deposit	8. X Examiner's Statement	ent of Reasons for Allowance
of Biological Material	9.	
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REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance: The prior art does not teach or suggest the recited photoelectric conversion device, wherein the polymeric electrically conducting agent has a melting point lower that the operation temperature of the photoelectric conversion device, has a glass transition temperature Tg, and is a hole transporting agent. The advantage of the polymeric electrically conducting agent having a melting point lower that the operation temperature (and is, for example, liquid or viscous) is that desired intimate contact can be made between the agent and the semiconductor or dye (see the third paragraph on page 2, and the paragraph bridging pages 8 and 9, of the instant specification).

Bach et al, "Solid-state dye-sensitized mesoporous TiO₂ solar cells with high photon-electron conversion efficiencies," Nature, Vol. 395, (October 8, 1998), pages 583-585, is already of record in the instant application. Bach et al uses a hole conductor having a Tg of 120°C. Bach et al's device is a solid state device (see title) and thus, its hole conductor (OMeTAD), like the conventional hole conductor TPD (see page 583) is a solid and would not be expected to have a melting point lower that the operation temperature of the device. Furthermore, said OMeTAD and TPD would not be recognized by one skilled in the art as being polymeric.

The following reference is hereby made of record: Jager et al, "Novel hole transporting poly(triphenyldiamine)s for application in hybrid solar cells," Proceedings of SPIE, Vol. 4108, (2001), pages 104-111. Jager et al cannot be used as prior art since the instant application is fully supported by instant EP foreign priority document

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00111493.3 having a filing date of 5/29/2000. The EP foreign priority document is in English (i.e., no certified English translation required) as is of record in instant parent application 09/866,199.

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The terminal disclaimer filed May 26, 2006 has overcome the obviousness-type double patenting rejection over U.S. Patent 6,700,058.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alan Diamond whose telephone number is 571-272-1338. The examiner can normally be reached on Monday through Friday, 5:30 a.m. to 2:00 p.m. ET.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nam Nguyen can be reached on 571-272-1342. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

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Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Alan Diamond Primary Examiner Art Unit 1753

Alan Diamond June 6, 2006